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TURBINES FOR GES PROJECTS; PRODUCTION OF LOCOMOBILES, WIND-MOTORS

TEST FIRST TSIMLYANSKAYA UNIT -- Stalinabad, Kommunist Tadzhikistana, 13 Jun 52

When the last hydroturbine for the Tsimlyanskaya GES was shipped to its destination from the Leningrad Metal Plant imeni Stalin, a brigade from the plant, headed by I. V. Orlov, Stalin-Prize winner, accompanied it to supervise the installation of hydroturbines. Recently, Ya. S. Degtyarev, a member of the brigade and a leading designer, returned from the Tsimlyanskaya GES, reporting that the first turbine-generator set had successfully undergone its first tests.

TO PRODUCE CASTINGS, FORGINGS -- Tallin, Sovetskaya Estoniya, 12 Jun 52

The Novo-Kramatorsk Plant imeni Stalin is preparing to turn out several thousand tons of casting and forgings for the builders of the Kuybyshev GES hydroturbines at the Leningrad Metal Plant imeni Stalin.

HYDROTURBINE TO POWER FISH LIFT -- Moscow, Trud, 22 Jun 52

The Sverdlovsk Urals Hydraulic Machinery Plant is building a hydroturbine to power the fish lift of the Tsimlyanskaya GES. The Sverdlovsk Urals elektro-apparat Plant has completed the generator for the turbine.

SPEED LOCOMOBILE PRODUCTION -- Tallin, Sovetskaya Estoniya, 14 Jun 52

The Mogilev Locomobile Plant, which formerly got certain locomobile pulleys from other plants, now makes them itself, turning out the molds for them by machine.

A new pipe-bending machine installed in the boiler shop is speeding up the processing of boiler tubes by 7 hours.

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Electric-spark hardening of cutting tools, centrifugal casting, and automatic electric welding are extensively applied throughout the plant. All these, and other technological advances have made it possible to cut the work in the manufacture of a P-75 locomobile by 468 norm-hours. Expenditure of metal, electric power, and tools has also been reduced.

On 11 June the plant shipped to the builders of the South-Ukrainian and North Crimean canals the last locomobile on the third-quarter quota.

#### INCREASE USE OF WIND MOTORS -- Alma-Ata, Kazakhstanskaya Pravda, 7 Jun 52

During 1952 about 4,000 wind motors will be set up in villages of the USSR. Kolkhozes will receive their first 500 models of the new D-12 wind motor, which has a capacity several times greater than previous types.

A. V. Karmishin, Chief of the Department of Wind-Motor Installations of the Ministry of Agriculture, states that there are particularly great opportunities for furthering the use of wind motors in the Central Asian republics, in Kazakhstan, and in the southwestern and southern areas of the Soviet Union, where wind motors can operate 250 days out of the year. The machines are adapted for mechanizing water pumping, preparation of feed on livestock farms, and for grinding grain.

Production of wind motors has increased considerably. A number of new, more powerful machines are going into production. They are to be used for rayon water-transfer pumping and generation of electricity.

Recently, an experimental series of high-speed VE wind-powered generating sets of 130-watt to 1-kilowatt capacity were turned out. These are capable of providing lighting for schools and clubs, current for threshers, and so forth.

A great deal of interest has recently been shown in mobile wind-powered pumps, for use on cattle ranges.

#### BUILD STOKERS, MILL -- Leningradskaya Pravda, 3 Jul 52

The city of Kusa has recently become an important machine-building center, including rock-crushing aggregates, mechanical boiler-stokers, gravel-washing machines, and drainage pumps among its products.

The Kusa Plant of the Ministry of Heavy Machine Building has begun production of pneumatic-mechanical boiler-stokers, and has turned out its first shaft mill for pulverizing fuel.

#### FILTER FOR MOSCOW POWER STATION -- Moscow, Trud, 22 Jul 52

The Alma-Ata Machinery Plant of the Ministry of Electric Power Stations recently completed the last parts for a large electric filter. Weighing over 150 tons, the aggregate will be installed in one of the Moscow electric power stations, where it will catch cinders and unburned fuel particles.

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